BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

DIVISION: BYATARAYANAPURA

SUB DIVISION: VIDYARANYAPURA

***Name of Work**: Estimate for Improvements to Roads and Drains at Krishna North Villas I in Ward No. 10 Vidyaranyapura Sub Division.*

Estimated Cost: Rs. 15.00 Lakhs

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: Estimate for Improvements to Roads and Drains at Krishna North Villas I in Ward No. 10 Vidyaranyapura Sub Division.

							Estimate Cost:	1500000.00
Sl. No.	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-2. Earth work excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications WORTH chapter 3. **Page No. 152 / Item No. 19.2 / PWD SR 2013-14**	Cum							
	RCC Drain		1	110.00	1.20	0.90	118.80		
			1	90.00	1.00	0.90	81.00		
			1	50.00	1.00	0.90	45.00		
							244.80	90.72	**22208.00**
	Basic Rate	84.00							
	Area Weightage @8%	6.72							
	Total	**90.72**							
2	KSRB 4-1.3 : Providing and laying in position plain cement **concrete of mix M7.5 with OPC cement @ 180 Kgs** using **40mm** and down size graded granite metal, corse aggregates @ 0.85 cum and fine aggregtes @ 0.58cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, **in foundation and plinth**, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 **Page No. 12 /Item No. 4.3 PWD SR - 2013-14**	Cum							
	For CC Drain		1	110.00	1.00	0.15	16.50		
			1	90.00	1.00	0.15	13.50		
			1	50.00	1.00	0.15	7.50		
							37.50	4290.84	**160907.00**
	Basic Rate	3973.00							
	Area Weightage @ 8%	317.84							
	Total	**4290.84**							
3	KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface** such as **walls at any thickness**, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 **Page No.17 / Item No. 4.31 PWD SR - 2013-14**	Sqm							
	For Side Walls		4	110.00		0.60	264.00		
	Covering Slab		1	110.00		0.60	66.00		
	Covering Slab Sides		2	110.00		0.15	33.00		

Sl. No.	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	For Side Walls		4	90.00		0.60	216.00		
	Covering Slab		1	90.00		0.60	54.00		
	Covering Slab Sides		2	90.00		0.15	27.00		
	Side Walls		4	50.00		0.60	120.00		
	Covering Slab		1	50.00		0.60	30.00		
	Covering Slab Sides		2	50.00		0.15	15.00		
							825.00	271.08	**223641.00**
	Basic Rate	251.00							
	Area Weightage @ 8%	20.08							
	Total	**271.08**							
4	KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ 0.459 cum wuth superplastisier @ 3lts confirming to IS 9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works **in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, wall** (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.6 **Page No. 13 / Item No. 4.11 PWD SR - 2013-14**	Cum							
	Bottom		1	110.00	0.90	0.15	14.85		
			1	90.00	0.90	0.15	12.15		
			1	50.00	0.90	0.15	6.75		
	Side Walls		2	110.00	0.15	0.60	19.80		
			2	90.00	0.15	0.60	16.20		
			2	50.00	0.15	0.60	9.00		
	Covering Slab		1	110.00	0.90	0.10	9.90		
			1	90.00	0.90	0.10	8.10		
			1	50.00	0.90	0.10	4.50		
							101.25	5639.76	**571026.00**
	Basic Rate	5222.00							
	Area Weightage @ 8%	417.76							
	Total	**5639.76**							
5	KSRB 4.9.2 : Providing **T.M.T steel reinforcement for R.C.C** work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **Page No. 19 / Item No. 4.46.2 PWD SR 2013-14 TMT bar Fe 500**	Qntl							
			0.65	101.25			65.81		

Sl No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
							65.81	7450.92	**490364.00**
	Basic Rate	6899.00							
	Area Weightage 8%	551.92							
	Total	**7450.92**							
6	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123)	Cum							
			Vide Item No. 1				**220.32**	72.71	**16018.00**
	Average weight of earth 1.28 tonne / kg for 2X1.28X2.00=5.12	5.12							
	Add loading and unloading Vide item no.17.1 P.no.141	62.20							
		67.32							
	Area Weightage @ 8%	5.39							
	Total	**72.71**							
7	For Third Part QC Charges @ 11% for Estimate Cost								**15000.00**
8	Miscellaneous and other Charges	L/S							**836.00**
								Total	**1500000.00**

(Rs. Fifteen Lakhs Only)

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2013-14.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidayranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Executive Engineer
Byatarayanapura Division
Yelahanka Zone, B.B.M.P.

Rs-15,00,000/-

ADMINISTRATIVELY SANCTIONED FOR Rs.... 15,00,000-00

Rupees Fifteen Lakhs only

Under

Registered as EE ( ) No 9.... 9....

Subject to conditions contained in enclosed memo EE ( ) No 9/...

Dt Estimate A/Sanctioned

Addl Comm(Y). A.S No 655/13-14

dated 23-12-13 Rs 15.00 Lakhs

Addl Commissioner
(Yelahanka Zone)
BBMP. Bengaluru-92

Technical Sanction for Rs. 15.00 lakhs

Fifteen lakhs only

SE/BTP/188/13-14. 23/12/13

Registered as EE No:..... Dated..... Subject to conditions contained enclosed memo.

No:..... Dr.....

AEE/JE

EE (BTP.Div.)